



Encourage Efficiency Upgrades

Action: Encourage energy efficiency upgrades in residential and commercial buildings through incentives and education and partnerships with programs such as the Industrial Assessment Center.

DESCRIPTION OF ACTION	Develop resources and provide outreach to community members to promote energy saving renovations and upgrades. Host local business forums to illustrate best practices in efficiency upgrades.
CHAMPION	Devens Eco-Efficiency Center

IMPLEMENTATION STEPS	PLANNING CONSIDERATIONS	
	Timeframe ¹	Key Partners
Compile existing residential and commercial incentives available and create fact sheets including DEC incentives, reduced fee schedules, expedited permitting, and green building certification	Short	<ul style="list-style-type: none"> • Devens Enterprise Commission • MassCEC • Devens Utilities • Residents • Businesses • Energy services professionals
Create a website with benefits of assorted upgrades and with instructions for homeowners and business leaders to access local DEC funding and state/federal funding	Short	<ul style="list-style-type: none"> • Devens Enterprise Commission • Devens Utilities • Energy New England • Media Power Inc.
Invite representative of the UMass-Amherst Industrial Assessment Center (IAC) to address common opportunities to improve the energy efficiency in small and medium sized manufacturing facilities at a Roundtable hosted by Devens Eco-Efficiency Center. Encourage businesses to take advantage of the IAC's comprehensive and free energy audit	Medium	<ul style="list-style-type: none"> • Devens Enterprise Commission • Businesses • Developers • UMass-Amherst Industrial Assessment Center
Find demonstration sites for efficient practices and distribute follow up questionnaires to business and community leaders to ascertain level of implementation and cost	Long	<ul style="list-style-type: none"> • Devens Enterprise Commission • Devens Utilities Division • New England Forestry Foundation • Mass Energy Insight • MassCEC • Nashoba Valley Chamber of Commerce • U.S. Army

¹ Short = less than 1 year; Medium = 1-3 years; Long = 4-5years

ENCOURAGE EFFICIENCY UPGRADES (CONT.)

FUNDING RESOURCES	
<ul style="list-style-type: none"> Database of State Incentives for Renewables & Efficiency Property Assessed Clean Energy (PACE) financing 	<ul style="list-style-type: none"> USDA Federal and State tax rebates Energy service companies
TECHNICAL RESOURCES	
<ul style="list-style-type: none"> UMass-Amherst Industrial Assessment Center UMass Clean Energy Extension program MassCEC Built Environment + (former USGBC MA Chapter) International Living Future Institute International Society of Industrial Ecology Green Roofs for Healthy Cities ENERGY STAR EnergySage MA Office of Technical Assistance 	<ul style="list-style-type: none"> MA NZE Building Advisory Council MA Heat Smart Alliance Northeast Energy Efficiency Partnerships Passive House Institute New Buildings Institute Institute for Market Transformation EDGE – Energy and Water Savings GRESB – ESG Performance of Real Assets ICP – Investor Confidence Project
LINKS TO OTHER PLANS & ACTIONS	EQUITY CONSIDERATIONS
<p>How does this action connect to other Devens goals?</p> <ul style="list-style-type: none"> Works in concert with ED.1 goal of implementing sustainable business practices Supports I.2 goal of incorporating energy efficiency measures in commercial redevelopment Relevant STAR Objectives: Energy Efficiency, Water Efficiency, Community Water Systems Relevant LEED Credits: Green Building Policy and Incentives, Energy Efficiency 	<p>How can the community incorporate equity into the implementation of this action?</p> <ul style="list-style-type: none"> Provide additional resources to minority groups, low-income residents, and small/disadvantaged businesses Educate building owners and occupants about energy efficient buildings and how they are more affordable to operate, can be more comfortable, have better indoor air quality, generate less GHG's and are more resilient New opportunities for job/skills training and workforce development
MEASURING SUCCESS	ENGAGING THE COMMUNITY
<p>How can we measure the progress and success of this action?</p> <p>Outputs</p> <ul style="list-style-type: none"> Web portal for residents and businesses Well attended business forums and residential outreach events Number of audits conducted by IAC and recommended actions subsequently taken Tracking of building permits to measure number of efficiency projects for both residential and commercial sectors <p>Outcomes</p> <ul style="list-style-type: none"> Reduction in MTCO₂e per square foot of residential and commercial space Reduction in MTCO₂e/million dollars of goods and services Reduction in per household energy use and MTCO₂e from baseline GHG inventory 	<p>How can we engage the populations that benefit from implementing this action?</p> <ul style="list-style-type: none"> Promote free services, such as the IAC audits, and emphasize related savings they typically provide Provide homeowners with information on renovation investments Engage surrounding communities for a regional Community Development Block Grant (CDBG) affordable housing project Include staff from Devens Enterprise Commission at outreach events to give residents and businesses clear guidance on local regulations, guidelines and incentives for reduced fee schedules, expedited permitting and green building certification Provide recognition to exemplary residential and commercial projects at forums Publicize resources and partner with local organizations like the Devens Eco-Efficiency Center and Nashoba Valley Chamber of Commerce to reach a broader audience